NUCLEAR ACTIVATION SERVICES LIMITED

1280 MAIN STREET WEST, HAMILTON, ONTARIO L8S 4K1

PHONE (416) 522-5660 TELEX 06-986947

REQ. NO. 3-9164-1

CERTIFICATE OF ANALYSIS

CONTRACT REPORT NO. OSQ83-00175

TO: CANADA CENTRE FOR MINERAL AND ENERGY TECHNOLOGY
ATTN: HENRY P. STEGER
CANADIAN CERT. REF. MATERIALS
555 BOOTH STREET
OTTAWA, ONTARIO K1A 0G1

CUSTOMER NO. 283

DATE SUBMITTED
01-FEB-84

REPORT: 2292 FILE NUMBER: 3451

REF. STANDARDS AS PER CANMET CONTRACT 23440-3-9164-1

WERE ANALYZED AS FOLLOWS:

ELEMENTS	UNITS	DETECTION LIMIT	ELEMENTS	UNITS	DETECTION LIMIT
MN	PPM	1.0000	FE	%	0.0500
AG	PPM	1.0000	SE	PPM	1.0000
IN	PPM	0.5000	V	PPM	1.0000
S	%	0.7000			

COMMENTS:

METHODS

METHOD OF ANALYSIS FOR ALL ELEMENTS, WITH THE EXCEPTION OF S IS INAA (INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS). SULPHUR WAS DETERMINED BY PRGAA (PROMPT GAMMA ACTIVATION ANALYSIS).

MICROMEDIA

DATE 31-MAY-84

NUCLEAR ACTIVATION SERVICES LIMITED

CERTIFIED BY .....

PER UNLESS INSTRUCTED OTHERWISE IT WILL DISCARD ALL SAMPLES PER

SAMPLE	MN PPM	FE %	AS PPM	SE PPM
CCU-1 1	--	33.3	51	132
CCU-1 2	--	32.4	49	123
CCU-1 3	--	32.4	51	129
CCU-1 4	--	32.6	50	130
CCU-1 5	--	32.8	48	131
CPU-1 1	406	--	--	33
CPU-1 2	416	--	--	34
CPU-1 3	412	--	--	35
CPU-1 4	407	--	--	32
CPU-1 5	399	--	--	35
CZU-1 1	--	--	--	<3
CZU-1 2	--	--	--	<3
CZU-1 3	--	--	--	<3
CZU-1 4	--	--	--	<3
CZU-1 5	--	--	--	<3
MP-1A 1	--	--	--	--
MP-1A 2	--	--	--	--
MP-1A 3	--	--	--	--
MP-1A 4	--	--	--	--
MP-1A 5	--	--	--	--

SAMPLE	IN PPM	PPM	S %
CCU-1 1	--	--	34.5
CCU-1 2	--	--	34.3
CCU-1 3	--	--	34.4
CCU-1 4	--	--	35.0
CCU-1 5	--	--	33.6
CPB-1 1	11.4	--	--
CPB-1 2	11.2	--	--
CPB-1 3	10.6	--	--
CPB-1 4	11.2	--	--
CPB-1 5	11.6	--	--
CZN-1 1	38.1	--	--
CZN-1 2	37.2	--	--
CZN-1 3	37.3	--	--
CZN-1 4	39.5	--	--
CZN-1 5	36.6	--	--
MP-1A 1	--	460	--
MP-1A 2	--	435	--
MP-1A 3	--	475	--
MP-1A 4	--	474	--
MP-1A 5	--	432	--

POOR

QUALITY

ORIGINAL